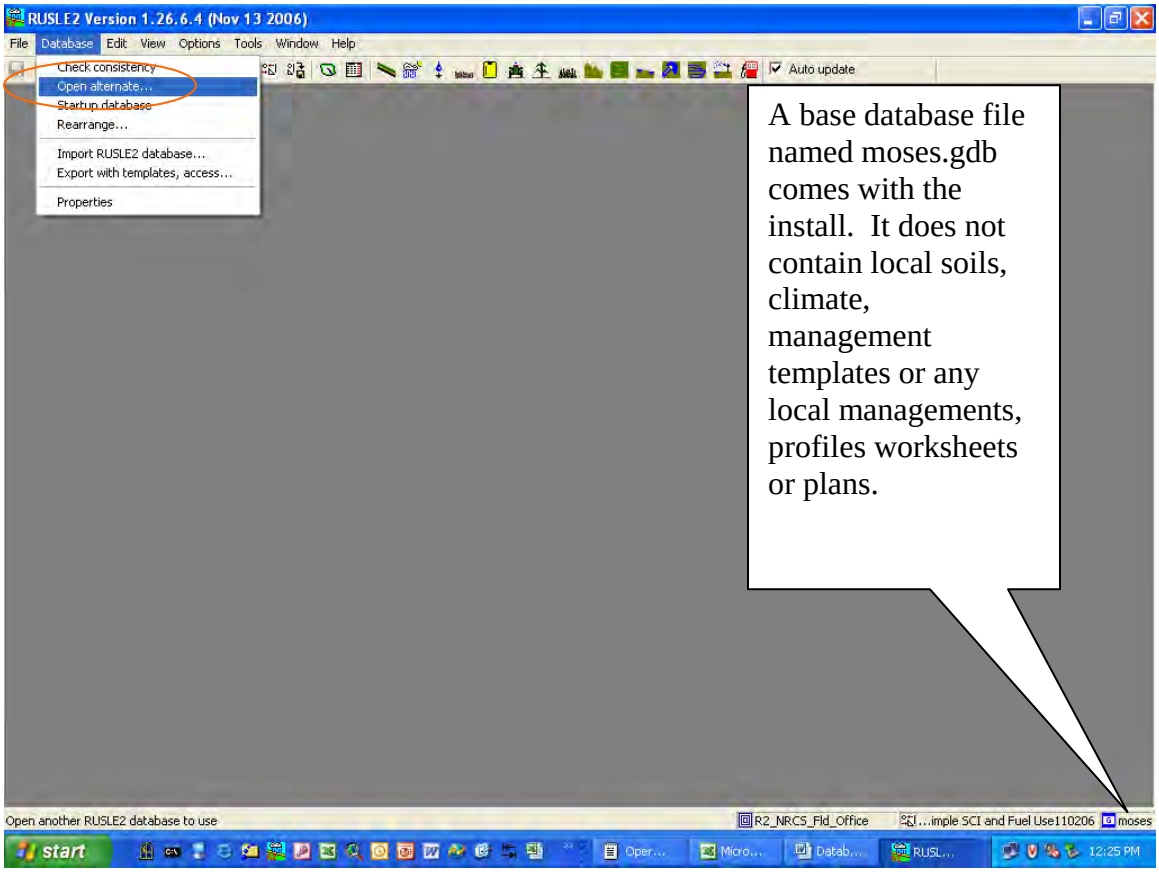
DATABASE UPDATE INSTRUCTIONS FOR USE WITH RUSLE2 VER 1.26.6.4

The following are instructions to update the local RUSLE2 database after this new version is installed so that all the new functions work. This is extremely important with this version since the new energy calculator functions are contained in a new fuels folder and every field operation has been revised to include new diesel fuel equivalent values.

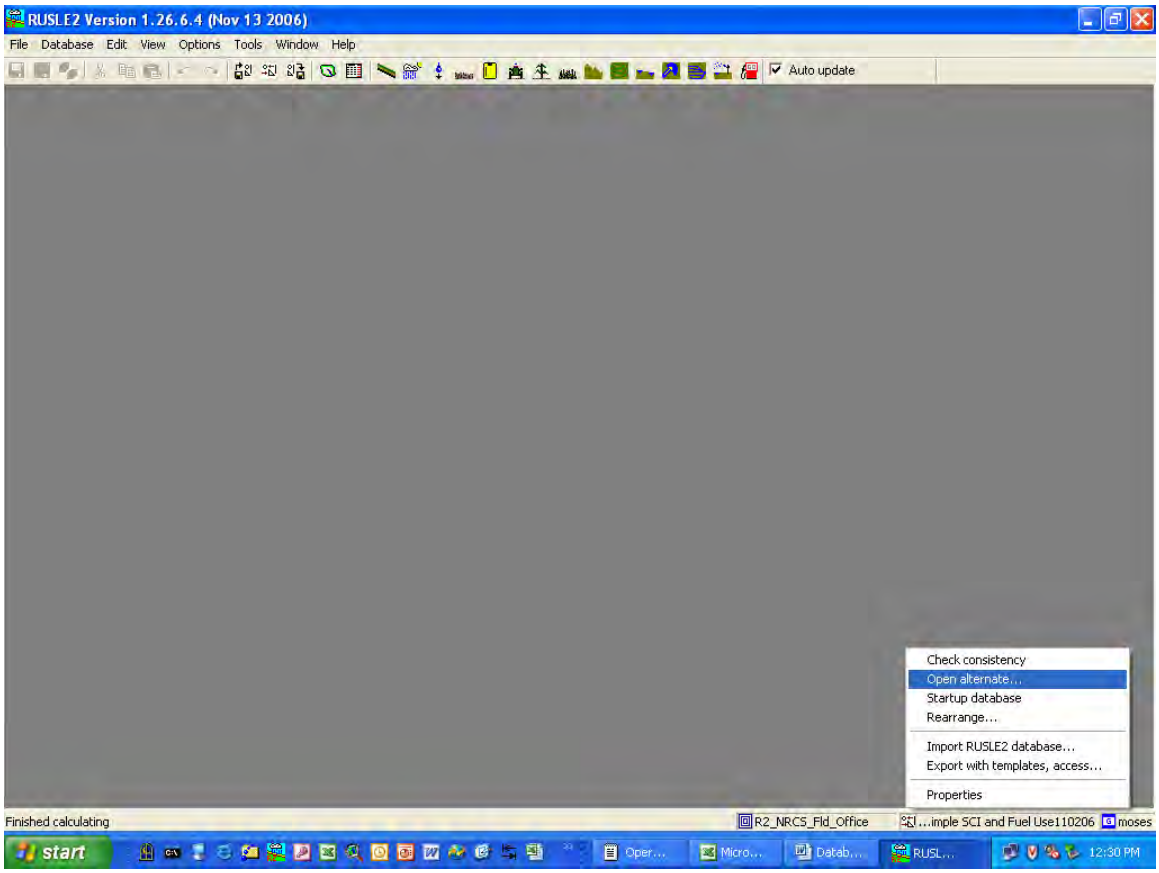
In a typical field office RUSLE2 is installed on each computer used by employees who do conservation planning. This may be the DC, soil conservationist and in many cases the technicians as well. Typically, only one copy of the local database is maintained in an office and the path to it is set on each computer running RUSLE2. Typically the local database used with previous versions is located on the shared drive in a field office.

LOADING AND SETTING THE PATH TO THE LOCAL RUSLE2 DATABASE

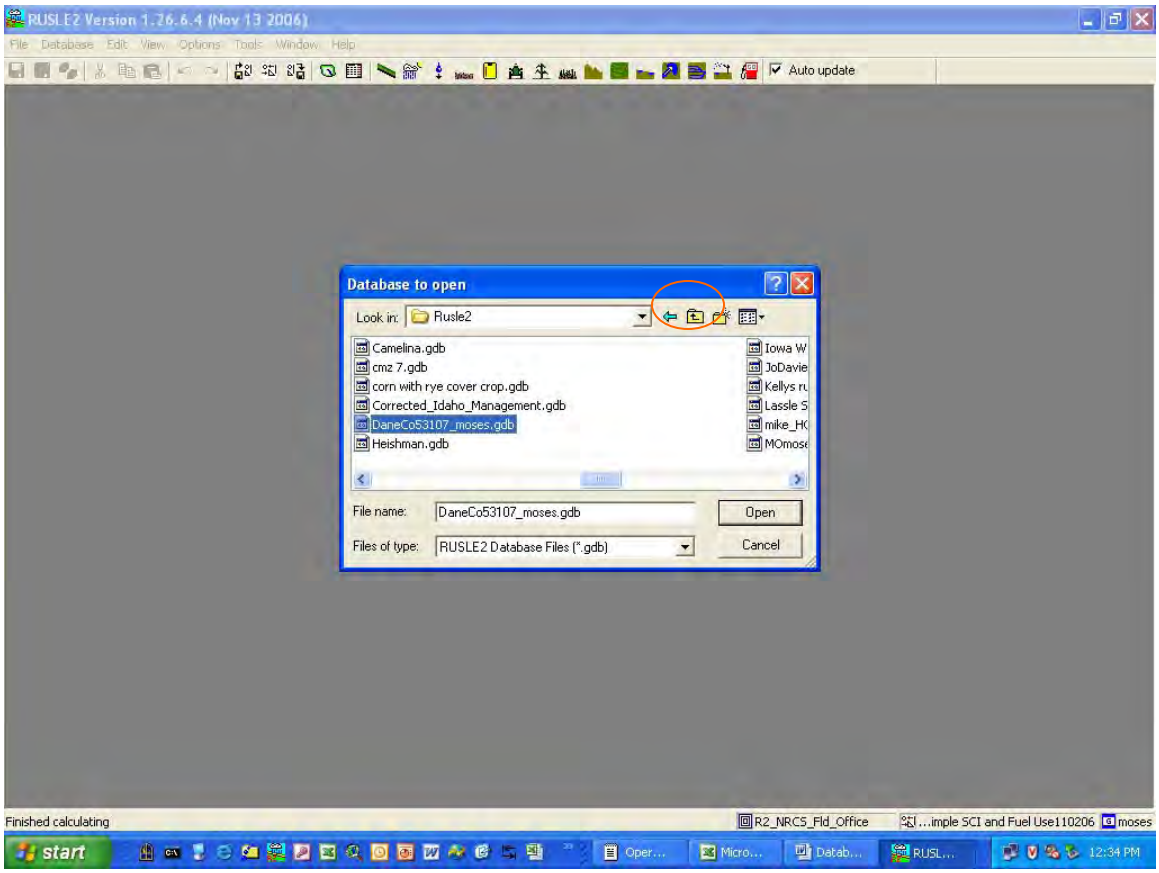
After the old version uninstall and new version install are performed, the local database needs to be located, loaded and the path to it set in the "database\startup database" dialog in RUSLE2 on each computer. The active database file name is displayed in the lower right corner of the RUSLE2 screen.



Two ways exist to open an alternate database. The previous screen shot shows the first which is to open the “database” dialog on the top RUSLE2 task bar and other is to simply right click on this database name in the lower right corner of the RUSLE2 screen and select "open alternate".

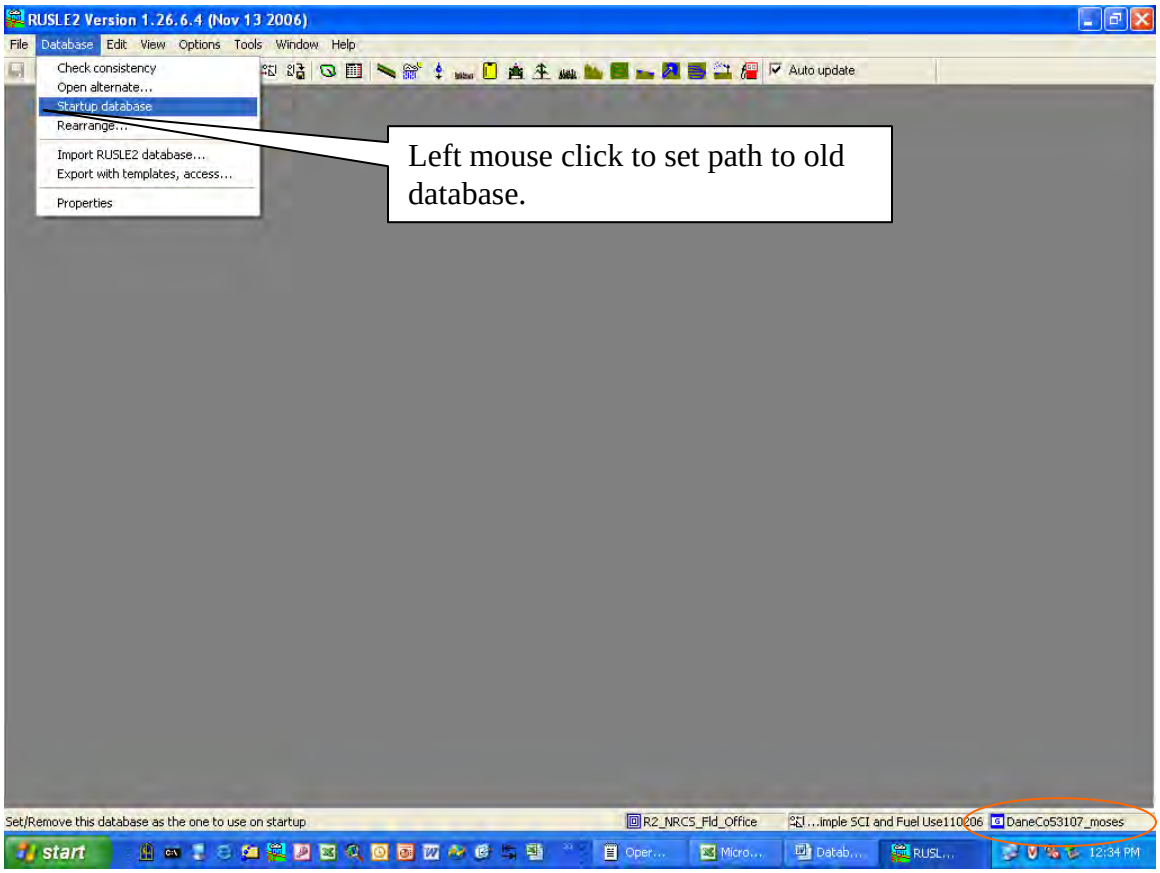


Then using the yellow folder with up arrow icon, navigate to the appropriate location and select the old local database file and allow it to load. You can navigate to this file anywhere on the local network and set the path to it.

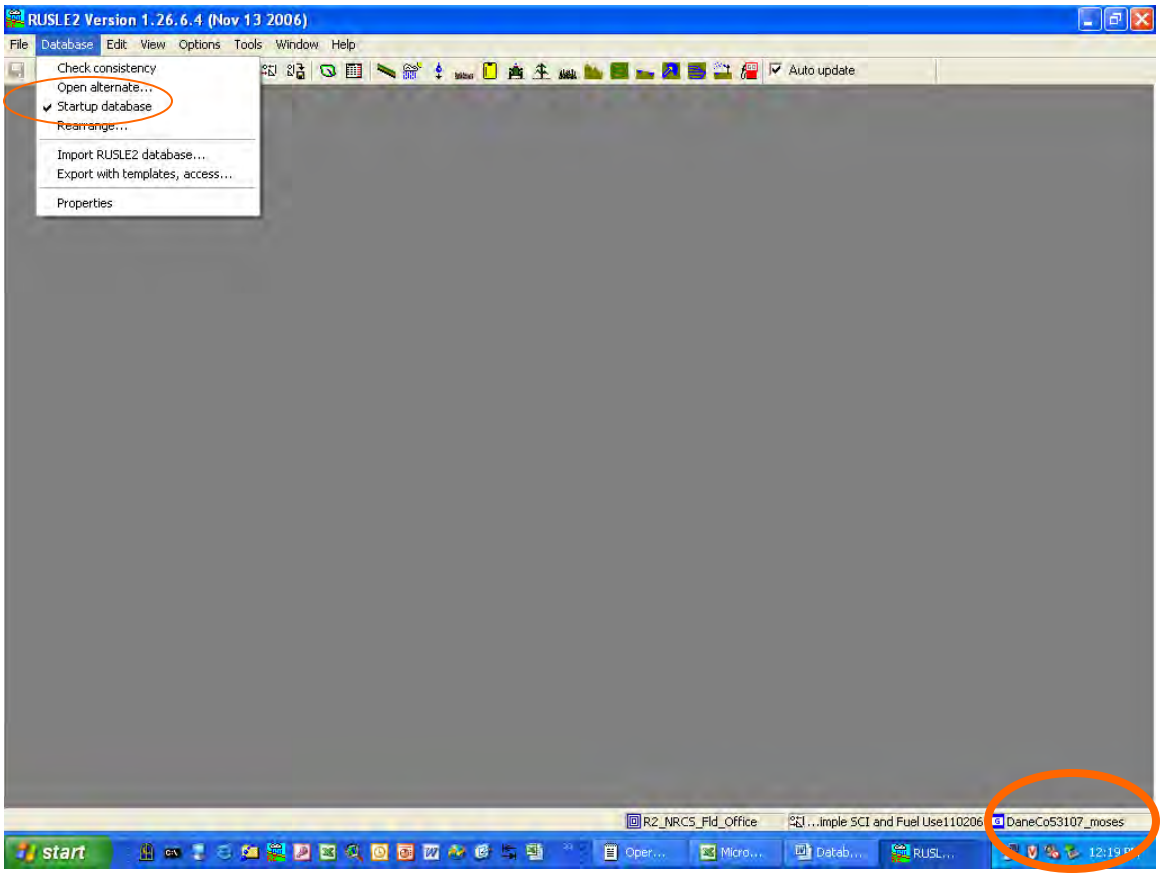

RUSLE2 Version 1.26.6.4 (Nov 13 2006)
File Database Edit View Options Tools Window Help
Auto update
Database to open
Look in: Rusle2
Camelina.gdb
cmz 7.gdb
corn with rye cover crop.gdb
Corrected_Idaho_Management.gdb
DaneCo53107_moses.gdb
Heishman.gdb
File name: DaneCo53107_moses.gdb
Open
Files of type: RUSLE2 Database Files (*.gdb)
Cancel
Finished calculating
R2_NRCS_Fld_Office
moses
start
12:34 PM

SETTING THE PATH TO THE DATABASE FILE:

Then, simply open the database dialog on the top RUSLE2 task bar and click "startup database" once with the left mouse button.



Reopen the database dialog and a checkmark should now appear beside this parameter.



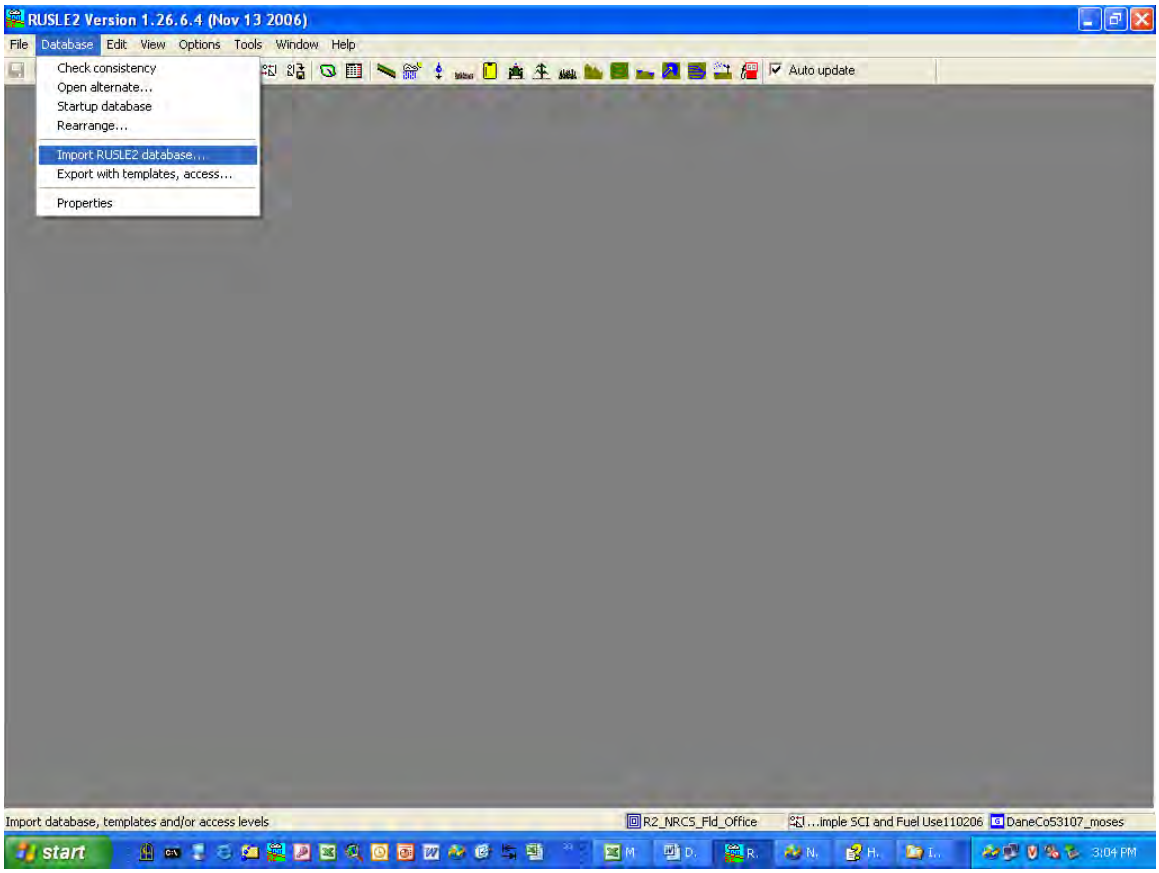
This means that the database file that is currently loaded (the name is displayed in the lower right corner of the RUSLE2 screen) will be automatically accessed each time the model is rebooted.

UPDATING THE LOCAL DATABASE

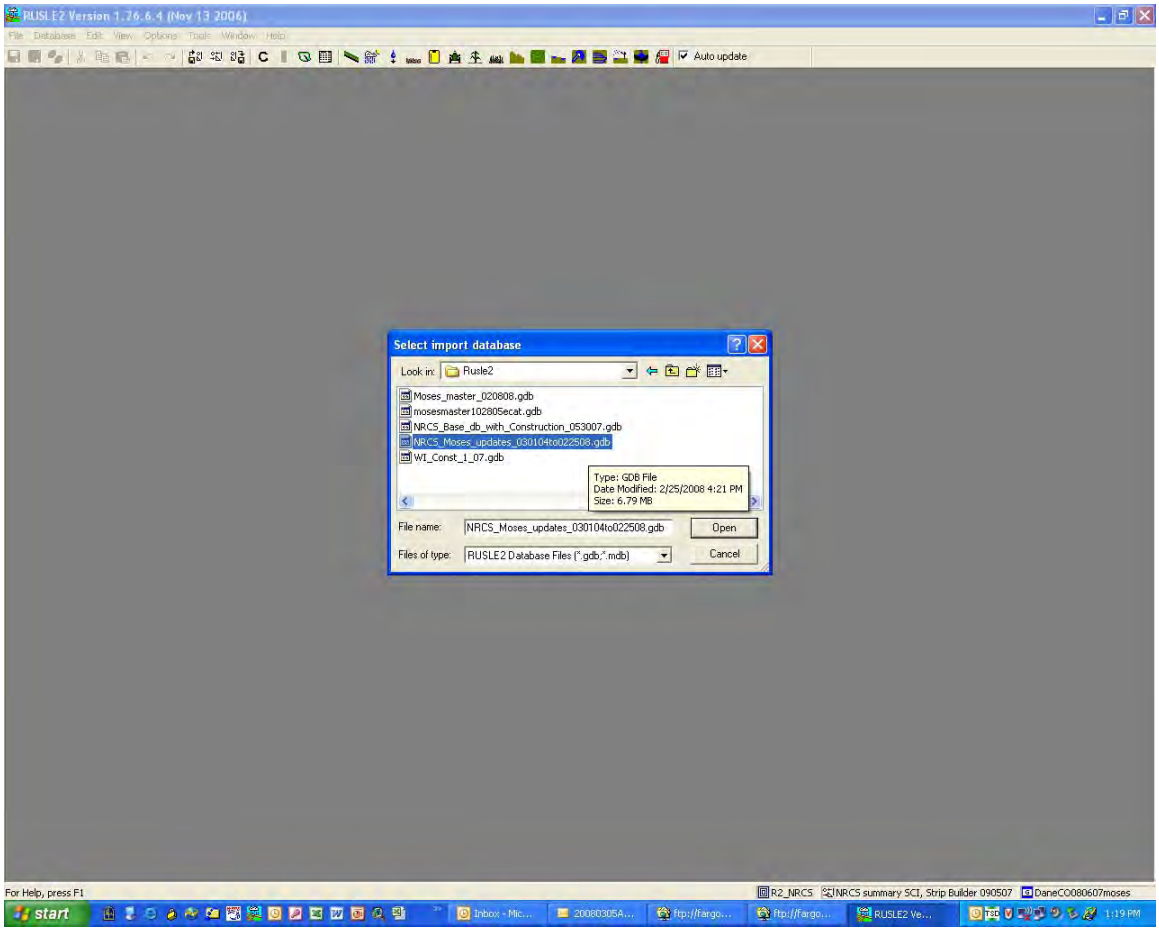
Next, the local database needs to be updated by importing the new database update file. This update file is not a complete database but only contains new additions and edits and therefore must be integrated into the current local database using the database\import function in RUSLE2. We packaged a database update file with the installer and it should be located in the import folder in the RUSLE2 directory. However if you are installing a version of RUSLE2 some period of months after the new version was packaged and released, a new database update file may be available on the RUSLE2 website. Use that newer update file in place of the database update file in the import folder in the new version.

To import the new database updates, be sure the local database file is the active database by noting the file name in the lower right corner of the RUSLE2 screen. The database update file can be imported into the local database using the "database\ import RUSLE2

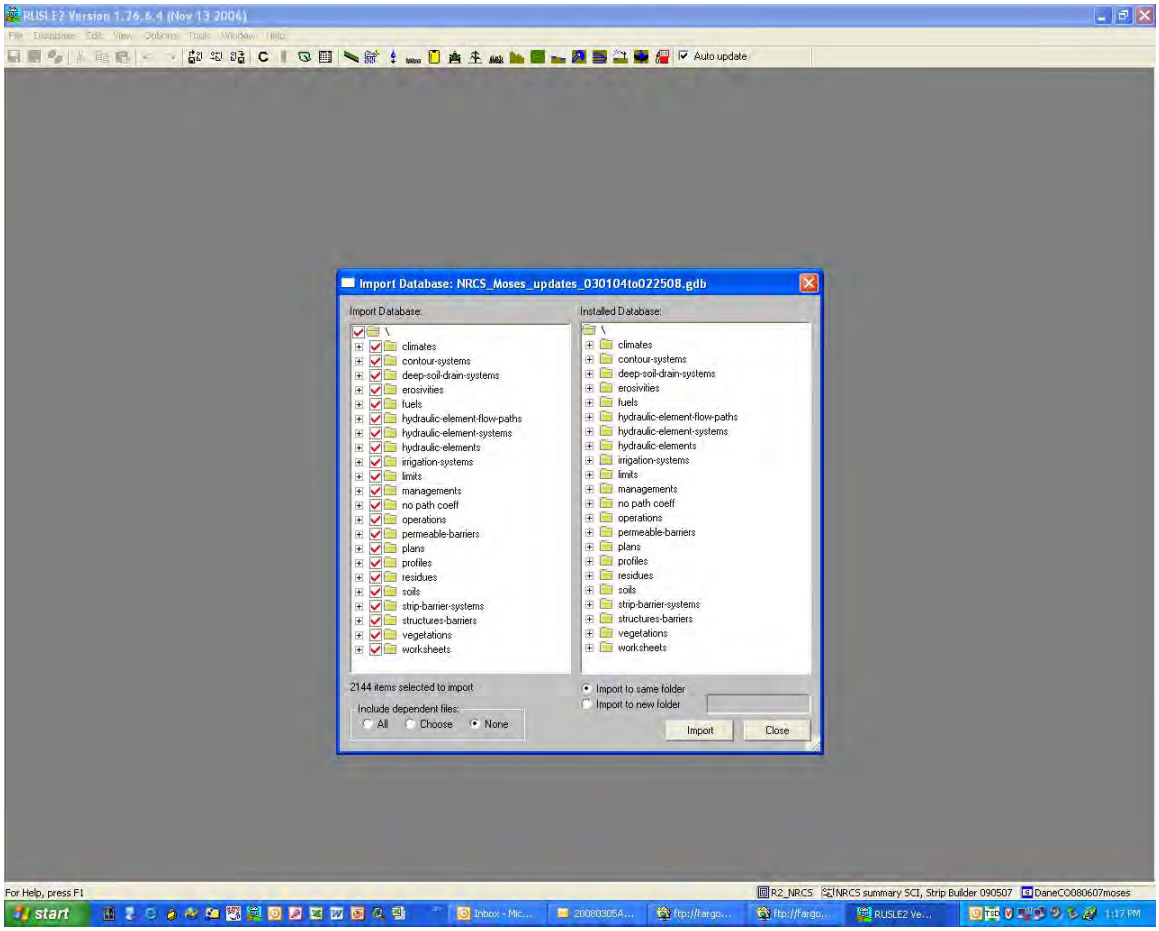
database" function in RUSLE2 .



Select the appropriate update file from the folder you moved it to from the RUSLE2 website.



Once you have selected the file to import, a split screen will appear. The left side is the database file from which you will import and the right side is the database side into which you will import. All folders and all contents of the database update file should be selected for import by clicking the very top box on the left side of the split screen thus cascading the selections to all subfolders and contents.

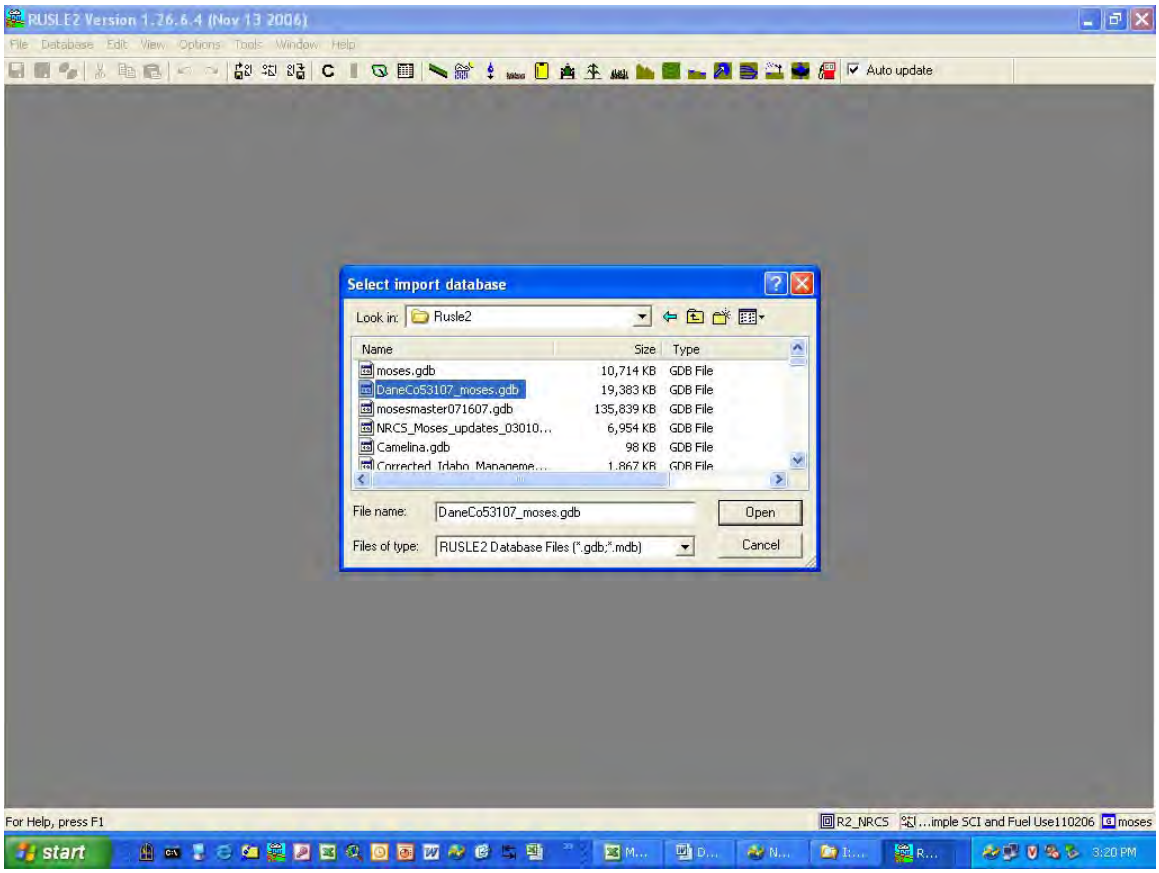


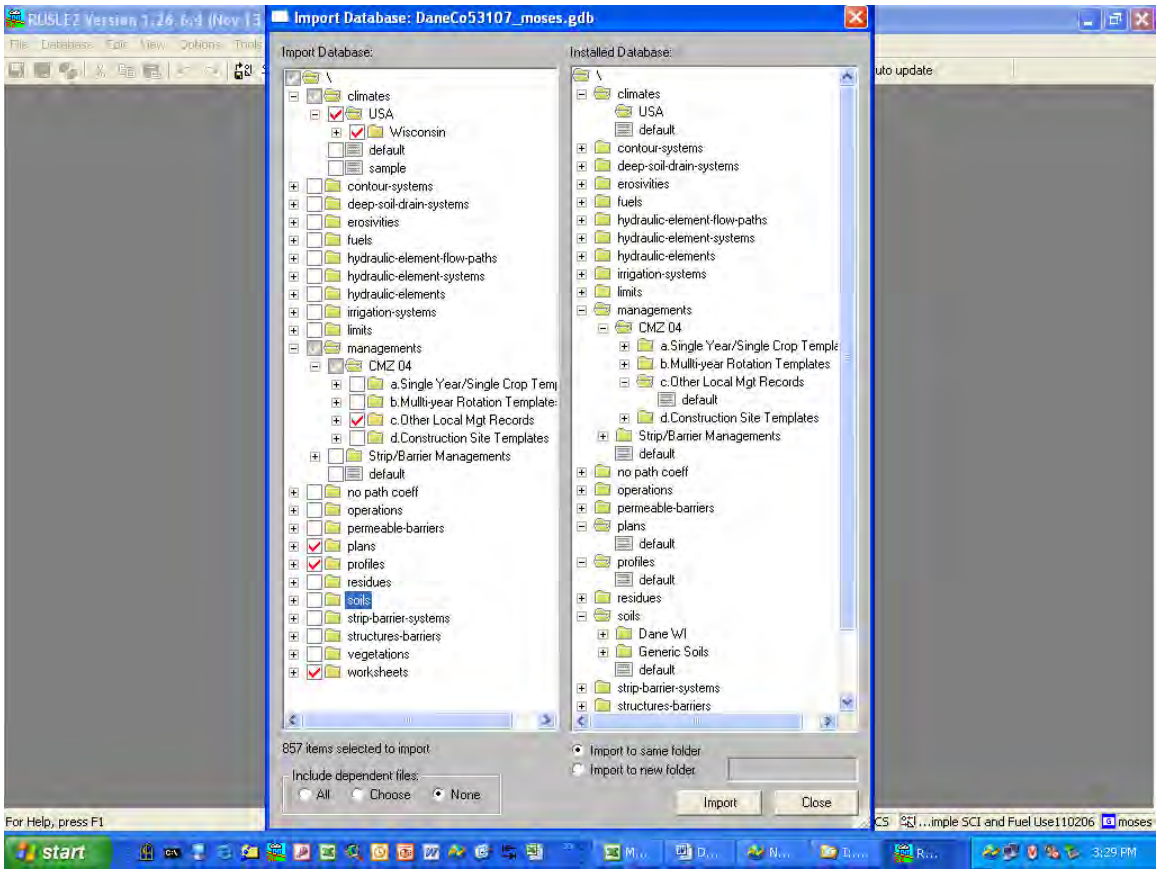
Note: I did notice on my machine when importing the new database update file into an old database that the import process threw an error on unrecognized objects on the new fuels folder, but after closing RUSLE2 and booting it again the fuels folder was created. This is because no fuel folder existed in the old database. The act of shutting the new version of RUSLE2 down with the old database file loaded, created the fuel folder. I rebooted RUSLE2 and did the database update import a second time and the import completed correctly and added the local fuel folder and contents.

ALTERNATE DATABASE UPDATE PROCESS

There is an alternate process that some may choose to use if the local database has some broken internal links or if folks choose to archive the old database and start fresh with the new version. This process involves using the base database (moses.gdb file) that comes with the installer and importing specific parts of their local database as well as any new soils data and new crop management zone templates directly into it. This would be a good time to go to the RUSLE2 website and get the latest soils data file(s) for the areas served by the field office as well as the latest management templates for the crop management zone (CMZ) in which the field office is located.

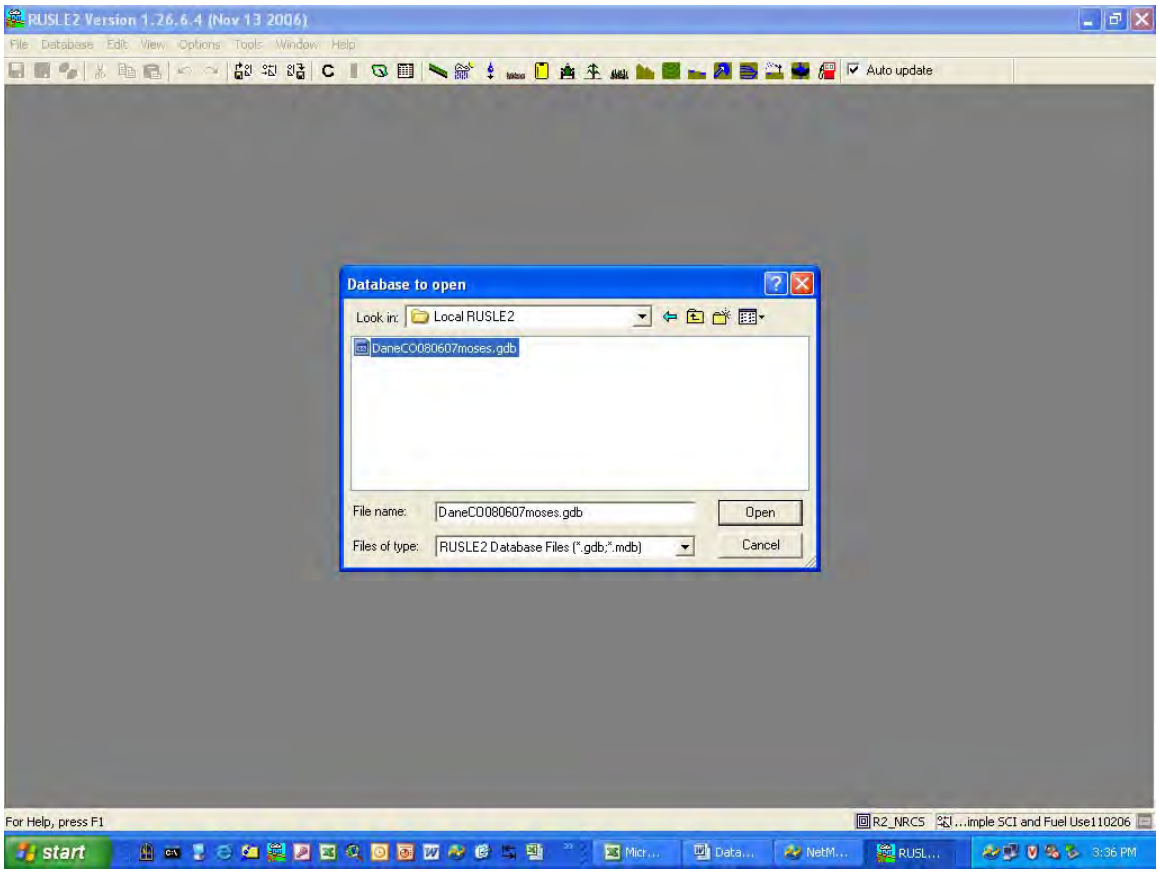
Once those are imported into the moses.gdb file then one additional import can be made to bring in the climate data, local management records from the "C. Other local managements" folder under managements and any profiles, worksheets and plans from those folders in the local database. These can all be imported in one import session from the old database.

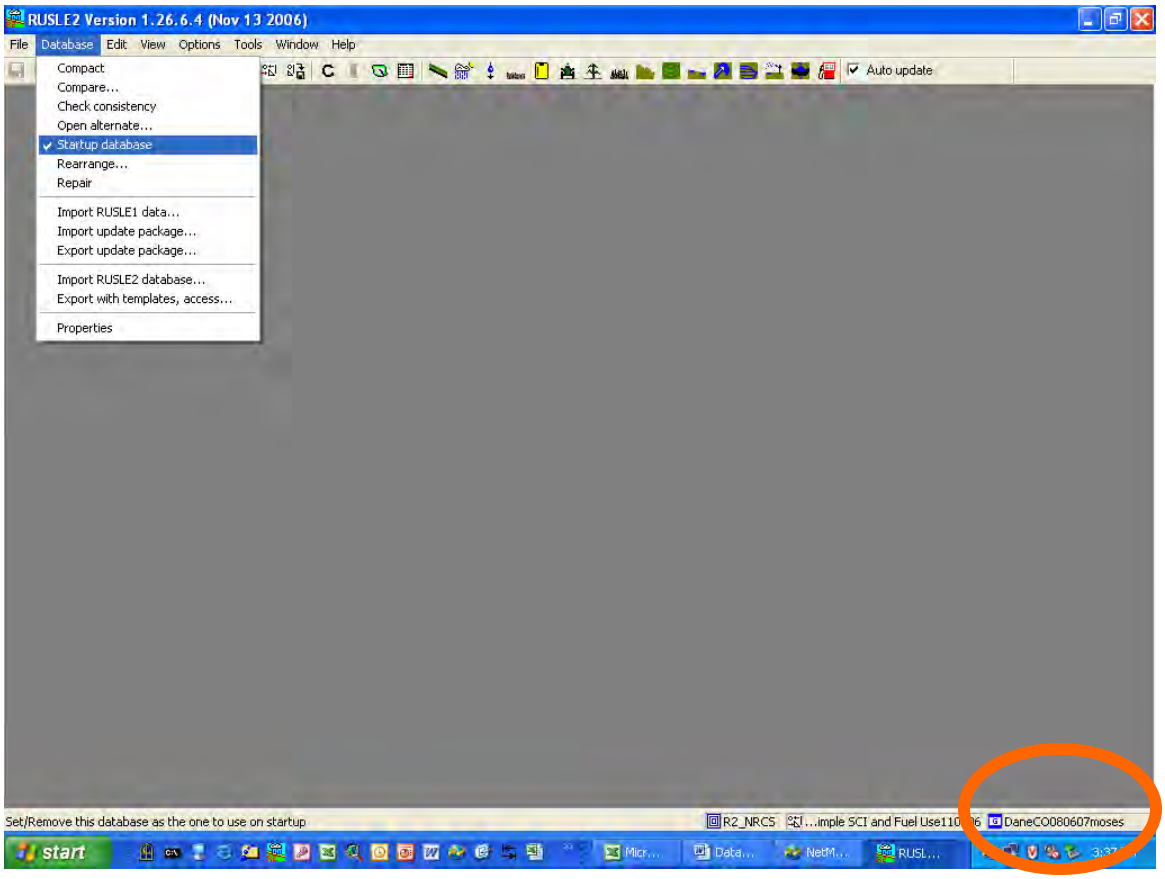




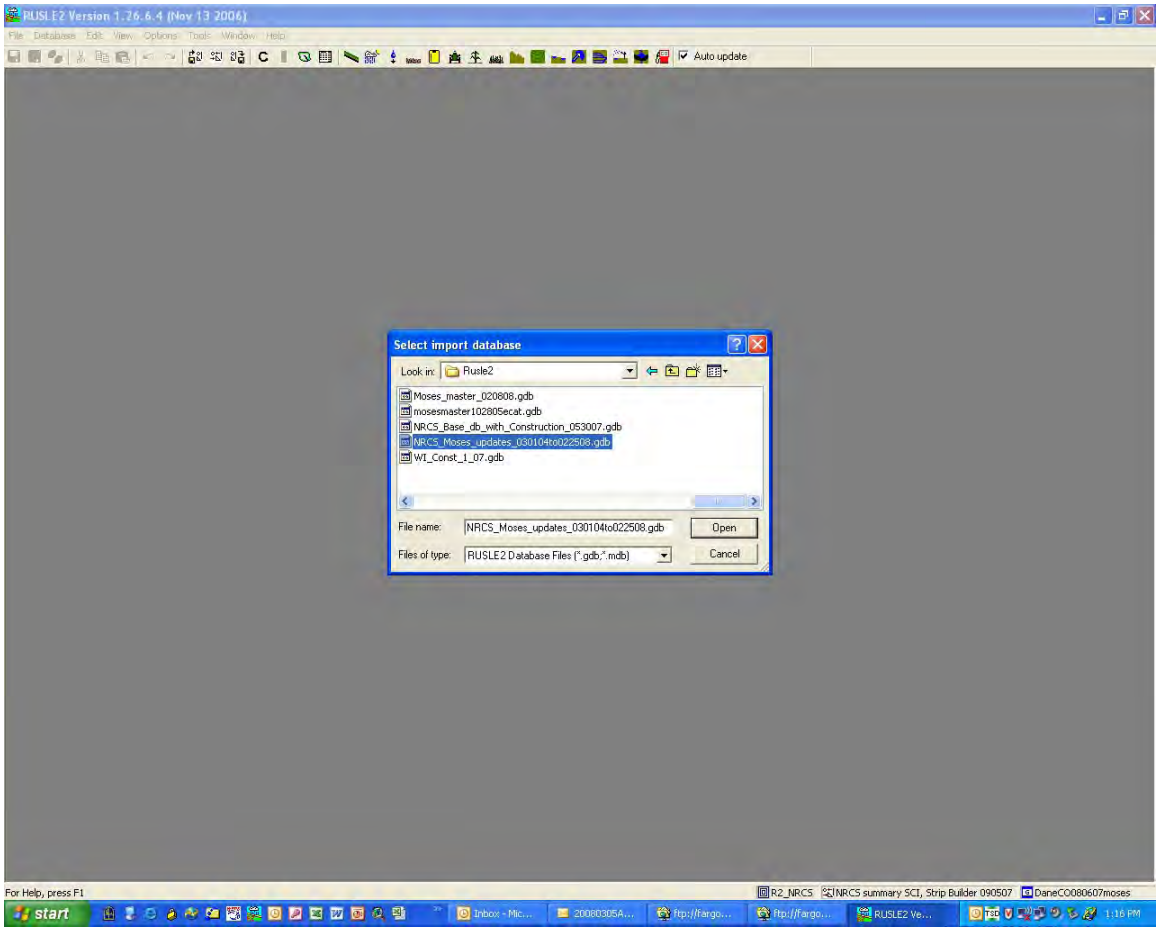
Once all this importing is done close out of RUSLE2 and using Windows Explorer, the moses.gdb file should be renamed to an appropriate name representing the local office and date and this new local database file placed on the shared drive.

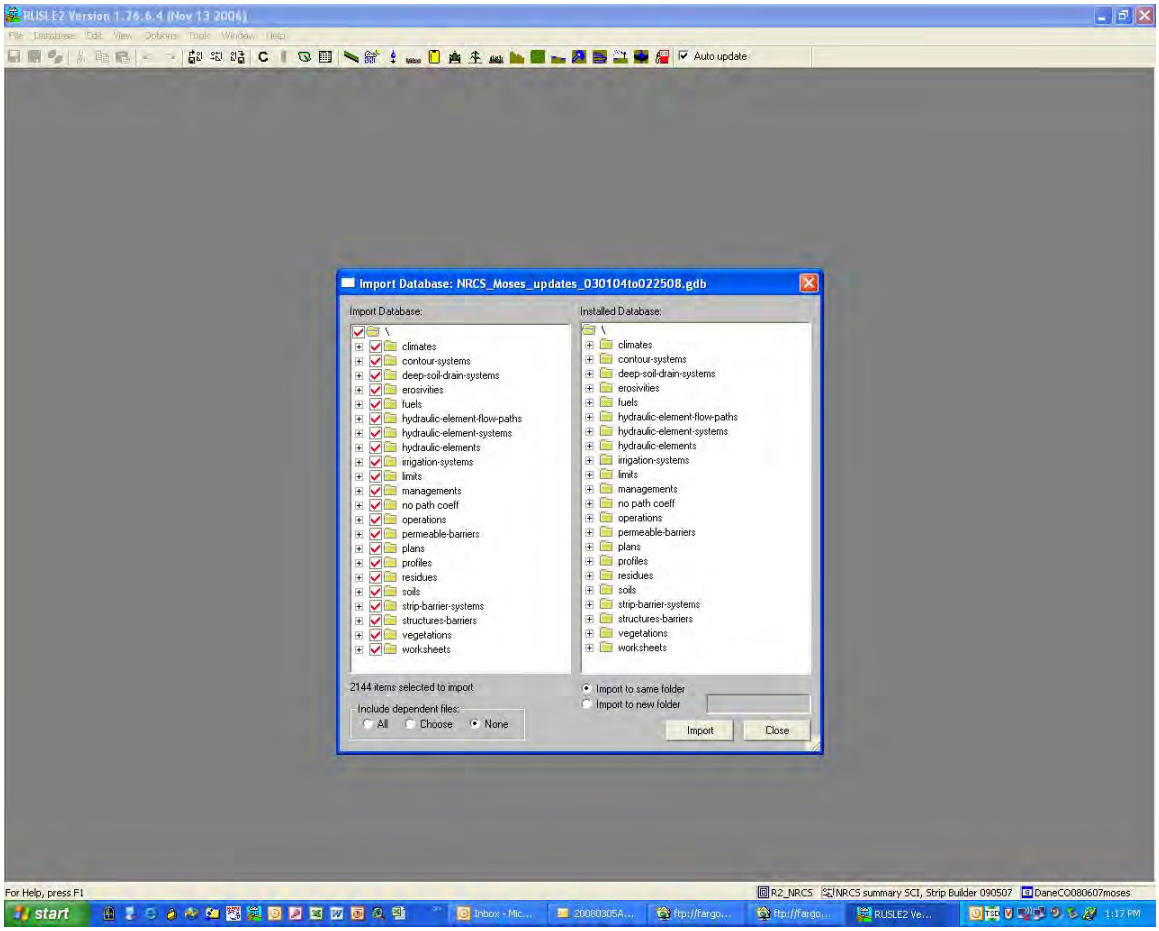
Then load this file and reset the path to it set on all computers on which RUSLE2 is installed. This is done in the database\ startup database dialog as described previously.


RUSLE2 Version 1.26.6.4 (Nov 13 2006)
File Database Edit View Options Tools Window Help
Auto update
Database to open
Look in: Local RUSLE2
DaneCO080607moses.gdb
File name: DaneCO080607moses.gdb
Open
Files of type: RUSLE2 Database Files (*.gdb;*.mdb)
Cancel
For Help, press F1
R2_NRCS
start
3:36 PM



And just to be sure it is up-to-date it would be a good idea to import the latest database update file into it as well.


RUSLE2 Version 1.26.6.4 (Nov 13 2006)
Auto update
Select import database
Look in: Rusle2
Moses_master_020808.gdb
mosesmaster102805ecat.gdb
NRCS_Base_db_with_Construction_053007.gdb
NRCS_Moses_updates_030104to022508.gdb
WI_Const_1_07.gdb
File name: NRCS_Moses_updates_030104to022508.gdb
Open
Files of type: RUSLE2 Database Files (*.gdb,*.mdb)
Cancel
For Help, press F1
start


RUSLE2 Version 1.26.6.4 (Nov 13 2006)
Auto update
Import Database: NRCS_Moses_updates_030104to022508.gdb
Import Database:
Installed Database:
climates
contour-systems
deep-soil-drain-systems
erosivities
fuels
hydraulic-element-flow-paths
hydraulic-element-systems
hydraulic-elements
irrigation-systems
limits
managements
no path coeff
operations
permeable-barriers
plans
profiles
residues
soils
strip-barrier-systems
structures-barriers
vegetations
worksheets
2144 items selected to import
Include dependent files:
All
Choose
None
Import to same folder
Import to new folder
Import
Close
For Help, press F1
start